

REMARKS

Applicants respectfully request reconsideration of this application as amended.

Claims 5-6, 10-17, 19 and 22-24 have been cancelled without prejudice. No new claims have been added. Therefore, claims 1-4, 7-9, 18, 20-21 and 25-29 are now presented for examination.

35 U.S.C. § 102 Rejection

Claims 1-3, 9, 18, 20 and 28 stand rejected under 35 U.S.C. §102(b), as being anticipated by Larsen et al., U.S. Patent No. 5,835,705 (“Larsen”).

Larsen discloses “the processor has *first and second modes of operation* . . . [and] when the performance monitor is operating in the first mode, a first counter within the performance monitor increments *in response to each occurrence of the first event* and a second counter within the performance monitor increments *in response to each occurrence of the second event*” (col. 2, lines 2-9; emphasis provided). Furthermore, the Examiner points to the *performance monitor* 50 of Figure 2 in the Office Action (mailed April 2, 2004, pages 2 and 9; emphasis provided) as the event detector as recited by claim 1 (emphasis provided). Applicants respectfully disagree.

Larsen discloses using a “*performance monitor . . . [to receive] as inputs event occurrences . . . [s]elected event occurrences among the numerous event occurrences that may be received by performance monitor* are recorded . . . within Monitor Counters (PMCs) within performance monitor . . . [and the] performance monitor 50 outputs the value of the specified PMC” (col. 4, lines 46-64; emphasis provided).

In contrast, claim 1, in pertinent part, recites, “an event detector to detect a predetermined list of events and to transmit an event detection signal to a multiplexer; an event selection control register (ESCR) to instruct the multiplexer to select an event from the predetermined list of events by qualifying the event based on a set of conditions”

the predetermined list of events by qualifying the event based on a set of conditions” (emphasis provided). Larsen’s performance monitor is not the same as the event detector as recited by claim 1. For example, the performance monitor of Larsen *receives event occurrences* and does not detect them. Larsen does not teach or reasonably suggest having an event detector to detect a predetermined list of events and to transmit an event detection signal to a multiplexer and the ESCR to instruct the multiplexer to select an event by qualifying the event based on a set of conditions, as recited by claim 1.

Accordingly, for at least the reasons set forth above, Applicants respectfully request the withdrawal of the rejection of claim 1 and its dependent claims.

With regard to claim 18, it contains limitations similar to those of claim 1 and accordingly, Applicants respectfully request the withdrawal of rejection of claim 18 and its dependent claims.

35 U.S.C. § 103 Rejection

Claim 4 stands rejected under 35 U.S.C. §103(a), as being unpatentable over Larsen et al., U.S. Patent No. 5,835,705 (“Larsen”) in view of Diepstraten et al., U.S. Patent No. 6,205,468 (“Diepstraten”).

Claims 7, 8, 21, and 25-27 stands rejected under 35 U.S.C. §103(a), as being unpatentable over Larsen et al., U.S. Patent No. 5,835,705 (“Larsen”) in view of Dreyer, et al., U.S. Patent No. 5,657,253 (“Dreyer”).

With regard to claims 4, 7-8, 21 and 25-27 they depend from either claim 1 or claim 18 and thus, include the limitations of the independent claim from which they depend.

Conclusion

Applicants submit that claims as amended are now in condition for allowance. Accordingly, Applicants respectfully request that the rejections be withdrawn and the application be allowed.



Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Request for an Extension of Time

Applicants respectfully petition for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge our Deposit Account No. 02-2666 to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension.

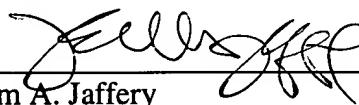
Charge our Deposit Account

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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